What is claimed is:

Claim 1. A method for controlling unwanted ground shoots of vines and other trunk vegetation, which comprises applying an effective amount of a protoporphyrinogen oxidase enzyme-inhibiting herbicide to a locus where said ground shoots are growing.

Claim 2. The method of claim 1, wherein said unwanted ground shoots of vines and other trunk vegetation are vine ground shoots.

Claim 3. The method of claim 1, wherein said unwanted ground shoots of vines and other trunk vegetation are stone fruit tree ground shoots.

Claim 4. The method of claim 3, wherein said stone fruit tree ground shoots are plum tree ground shoots.

Claim 5. The method of claim 1, wherein said protoporphyrinogen oxidase enzyme-inhibiting herbicide is selected from the group consisting of acifluorfen-sodium, aclonifen, bifenox, chlomethoxyfen, chlornitrofen, ethoxyfen-ethyl, fluorodifen, fluoroglycofen-ethyl, fluoronitrofen, fomesafen, furyloxyfen, halosafen, lactofen, nitrofen, nitrofluorfen, oxyfluorofen, cinidon-ethyl, flumiclorac-pentyl, flumioxazin, profluazol, pyrazogyl, oxadiargyl, oxadiazon, pentoxazone, fluazolate, pyraflufen-ethyl, benzfendizone, butafenacil, fluthiacet-methyl, thidiazimin, azafenidin, carfentrazone ethyl, sulfentrazone, flufenpyr-ethyl, their agriculturally-acceptable salts, esters, acids, and metabolites.

Claim 6. The method of claim 5, wherein said protoporphyrinogen oxidase enzyme-inhibiting herbicide is selected from the group consisting of carfentrazone ethyl and metabolites of carfentrazone ethyl, wherein said metabolites are **i)** α,2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoic acid, **ii)** 2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropenoic acid, **iii)** 2-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-

fluorobenzoic acid, and **iv)** 2-chloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]-4-fluorobenzenepropanoic acid.

Claim 7. The method of claim 6, wherein said protoporphyrinogen oxidase enzyme-inhibiting herbicide is carfentrazone ethyl.

Claim 8. The method of claim 7, wherein said carfentrazone ethyl is used at a concentration of from about 12 g/hl to about 36 g/hl.

Claim 9. The method of claim 8, wherein said carfentrazone ethyl is used at a concentration of about 18 g/hl.

Claim 10. The method of claim 1, wherein said protoporphyrinogen oxidase enzyme-inhibiting herbicide is combined with a second herbicide.

Claim 11. The method of claim 10, wherein said second herbicide is selected from the group consisting of diquat, paraquat, copper sulfate, copper chelates, endothall, 2,4-D, fluridone, glufosinate-ammonium, glyphosate, imazapyr, fluridone, triclopyr, clomazone and bensulfuron.

Claim 12. The method of claim 10, wherein said protoporphyrinogen oxidase enzyme-inhibiting herbicide is carfentrazone ethyl.